

# Replacement Sheet

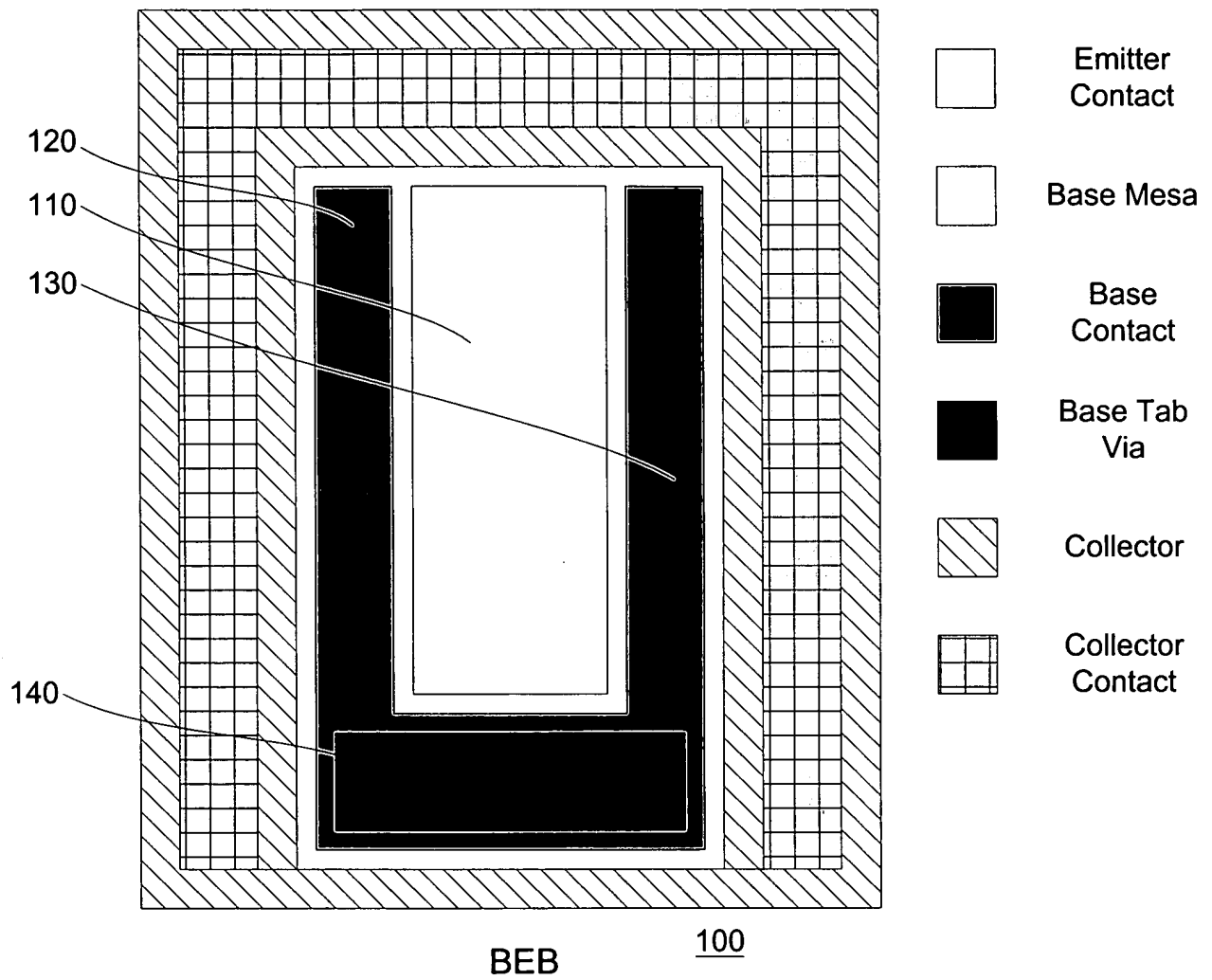
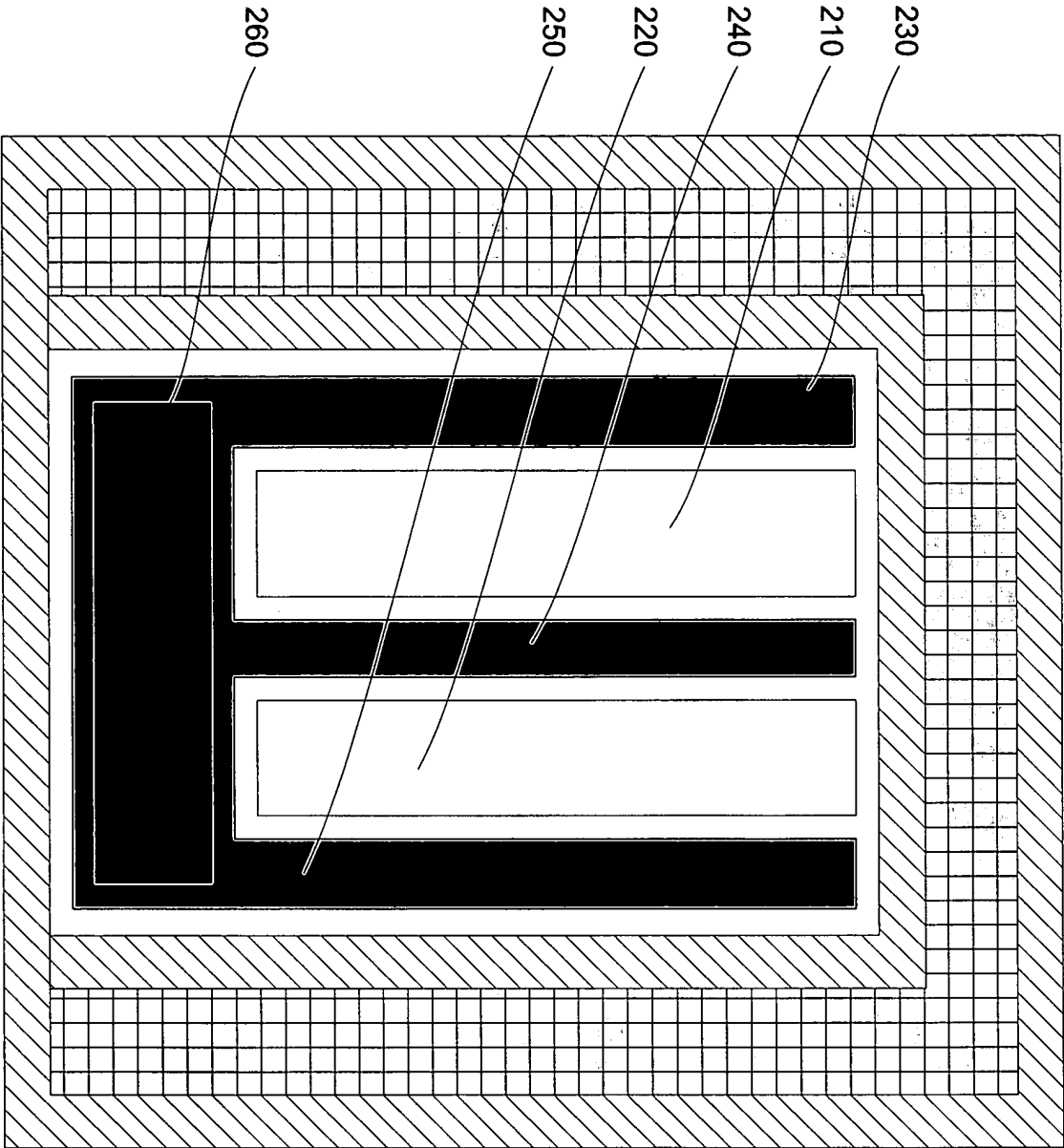


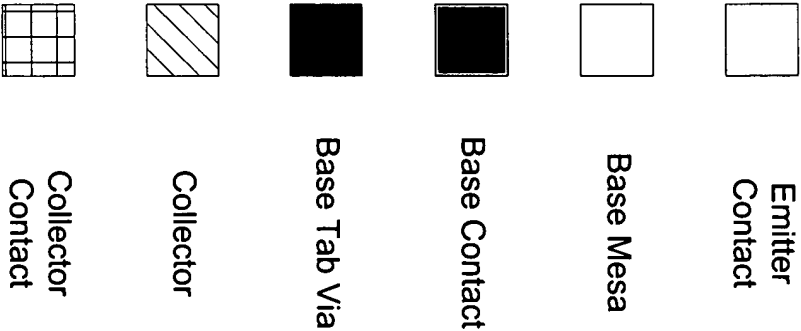
FIG. 1 1/22  
(Prior Art)

Replacement Sheet



BEBEB 200

FIG. 2 2/22  
(Prior Art)



# Replacement Sheet

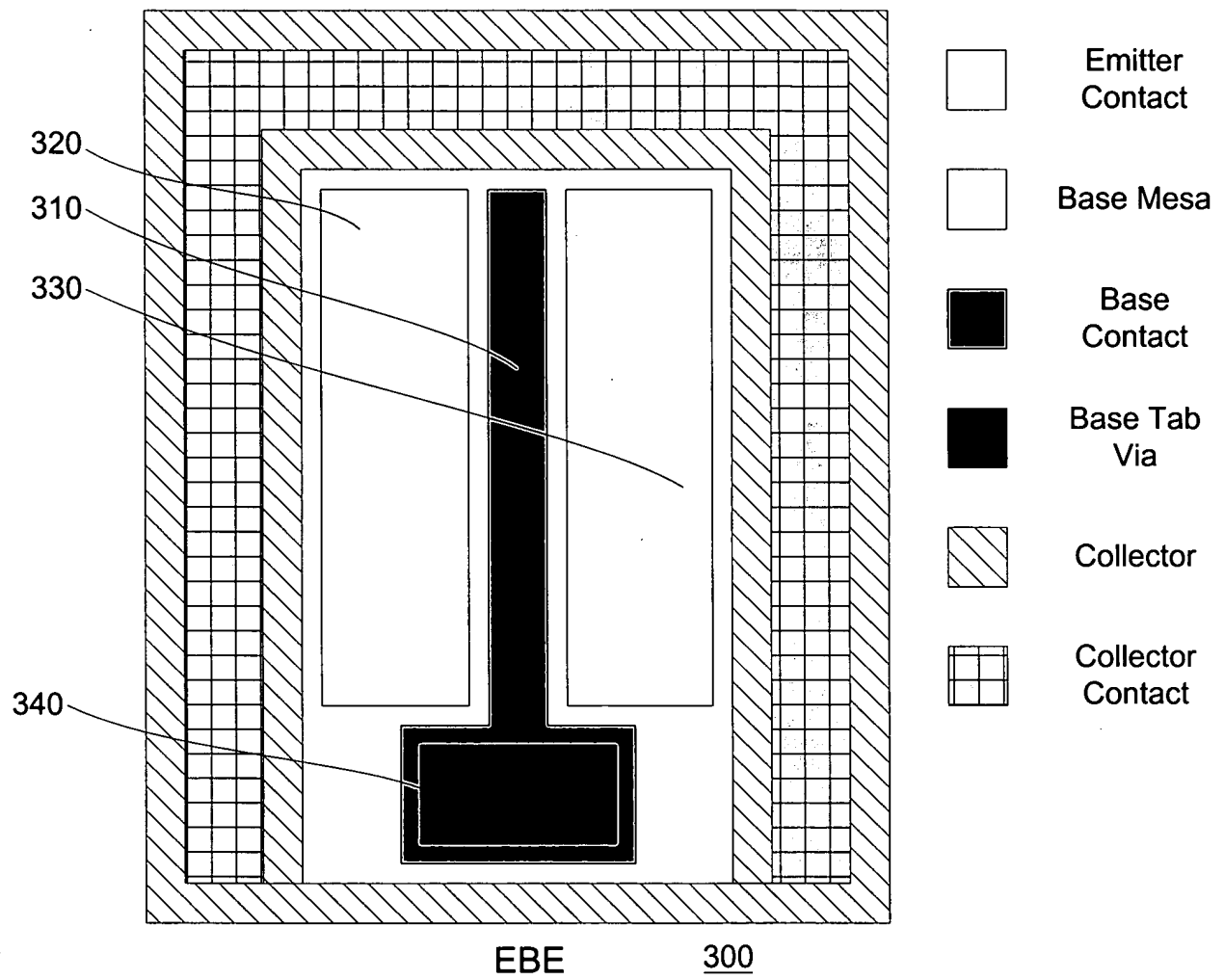
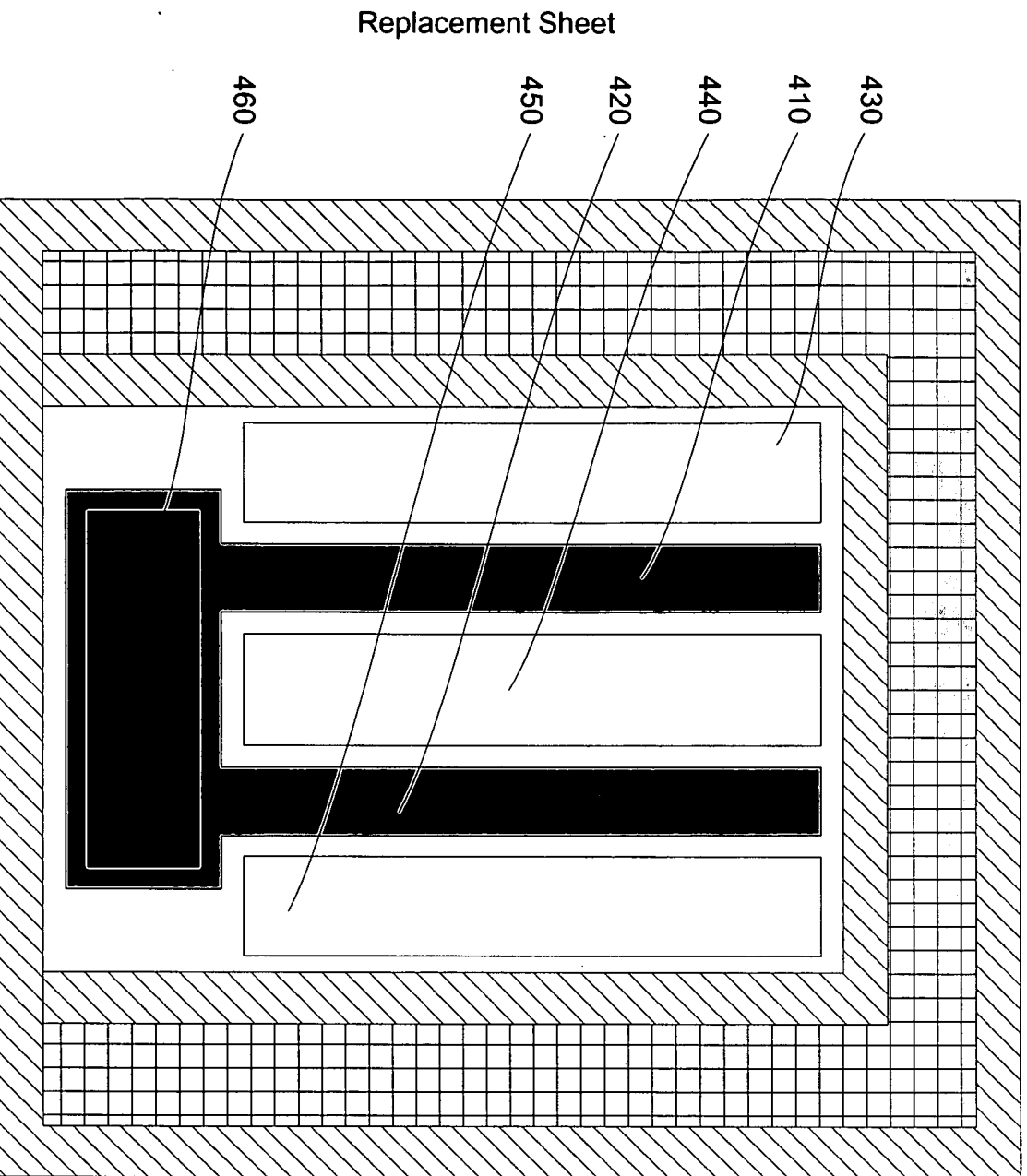
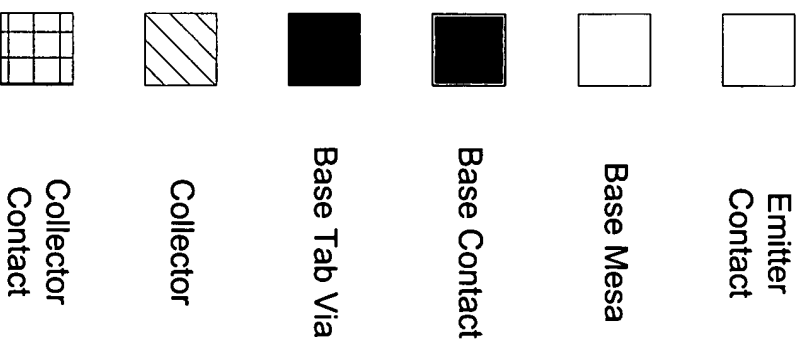


FIG. 3 3/22  
(Prior Art)



EBEBE 400

FIG. 4 4/22  
(Prior Art)



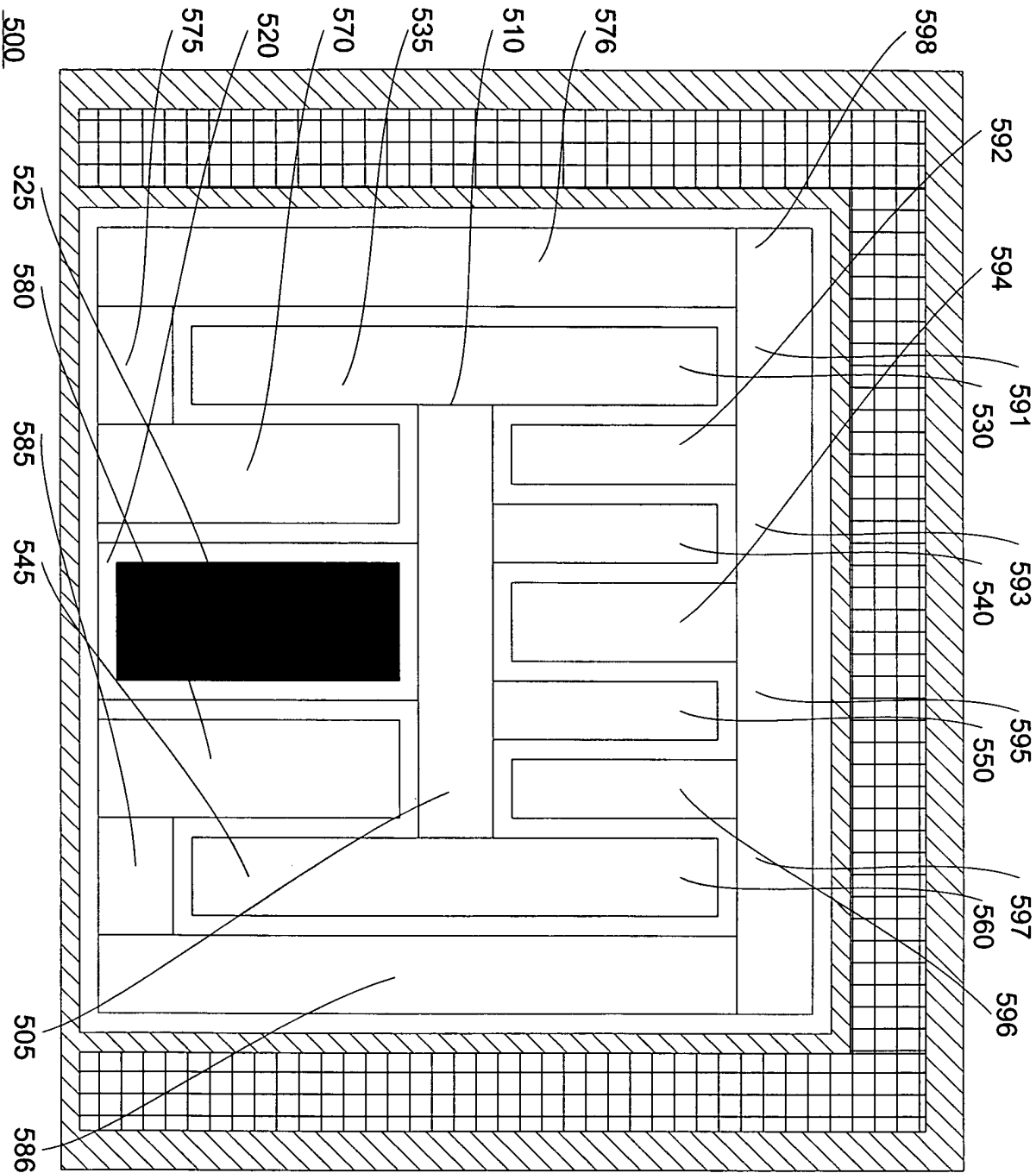








FIG. 5 5/22

-  Emitter Contact
-  Base Mesa
-  Base Contact
-  Base Tab Via
-  Collector
-  Collector Contact

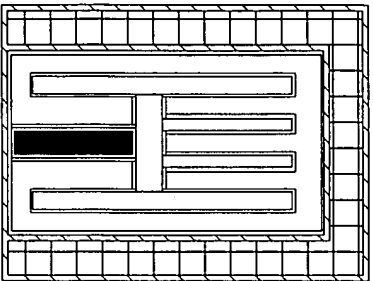


FIG. 6 6/22 M9

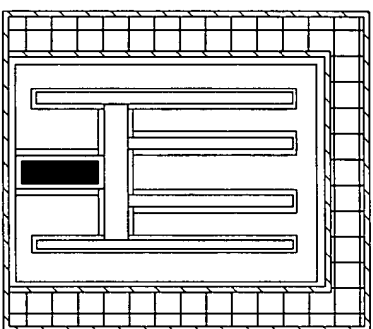


FIG. 7 7/22 M10

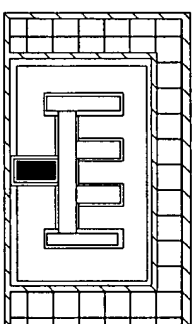


FIG. 8 8/22 M11

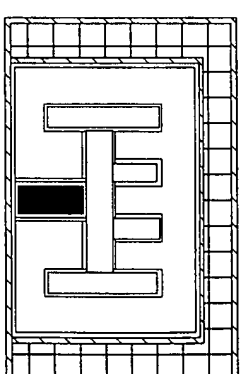


FIG. 9 9/22 M12

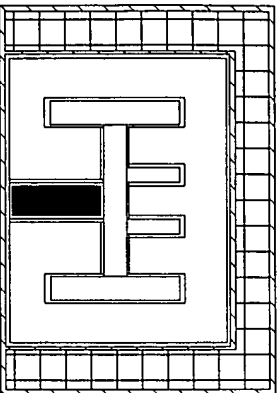


FIG. 10 10/22 M5

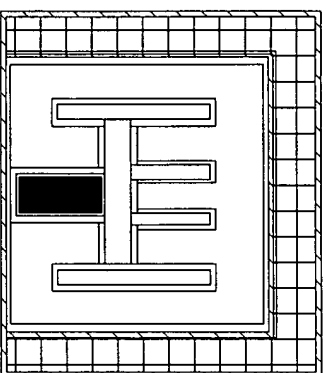


FIG. 11 11/22 M6

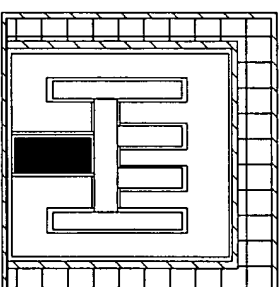


FIG. 12 12/22 M7

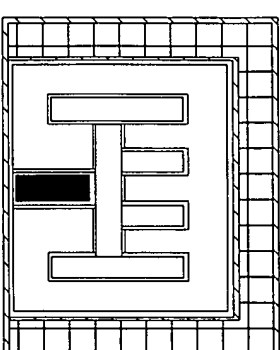


FIG. 13 13/22 M8

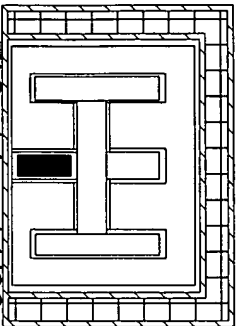


FIG. 14 14/22 M1

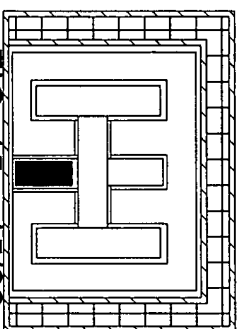


FIG. 15 15/22 M2

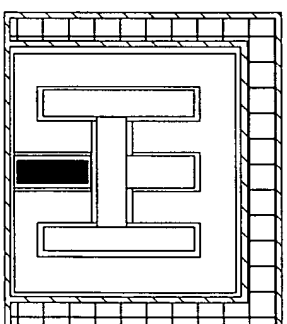


FIG. 16 16/22 M3

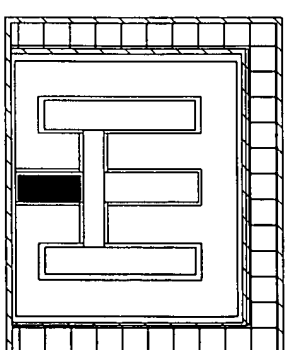


FIG. 17 17/22 M4

FIG. 18 18/22  
(Prior Art)

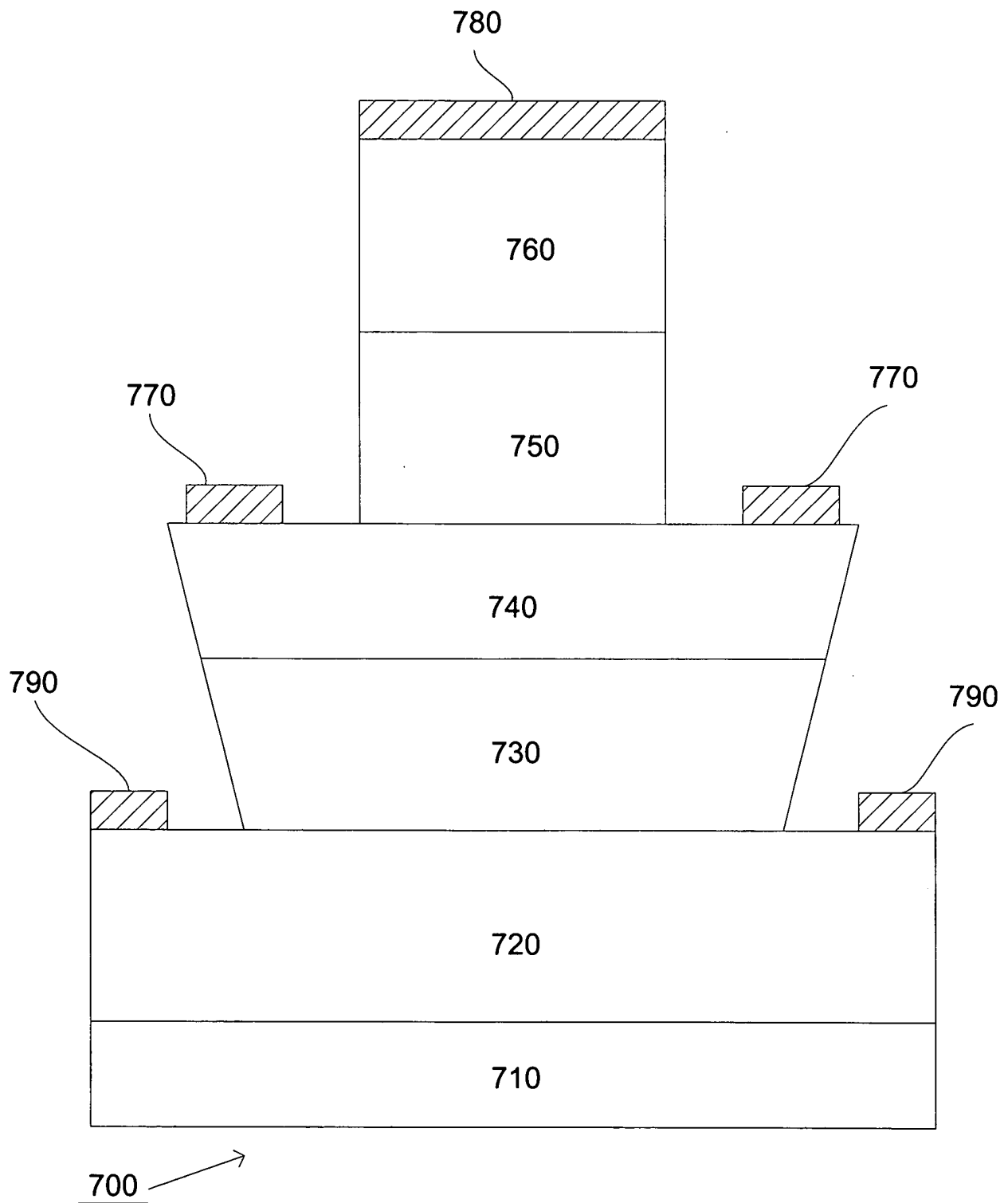
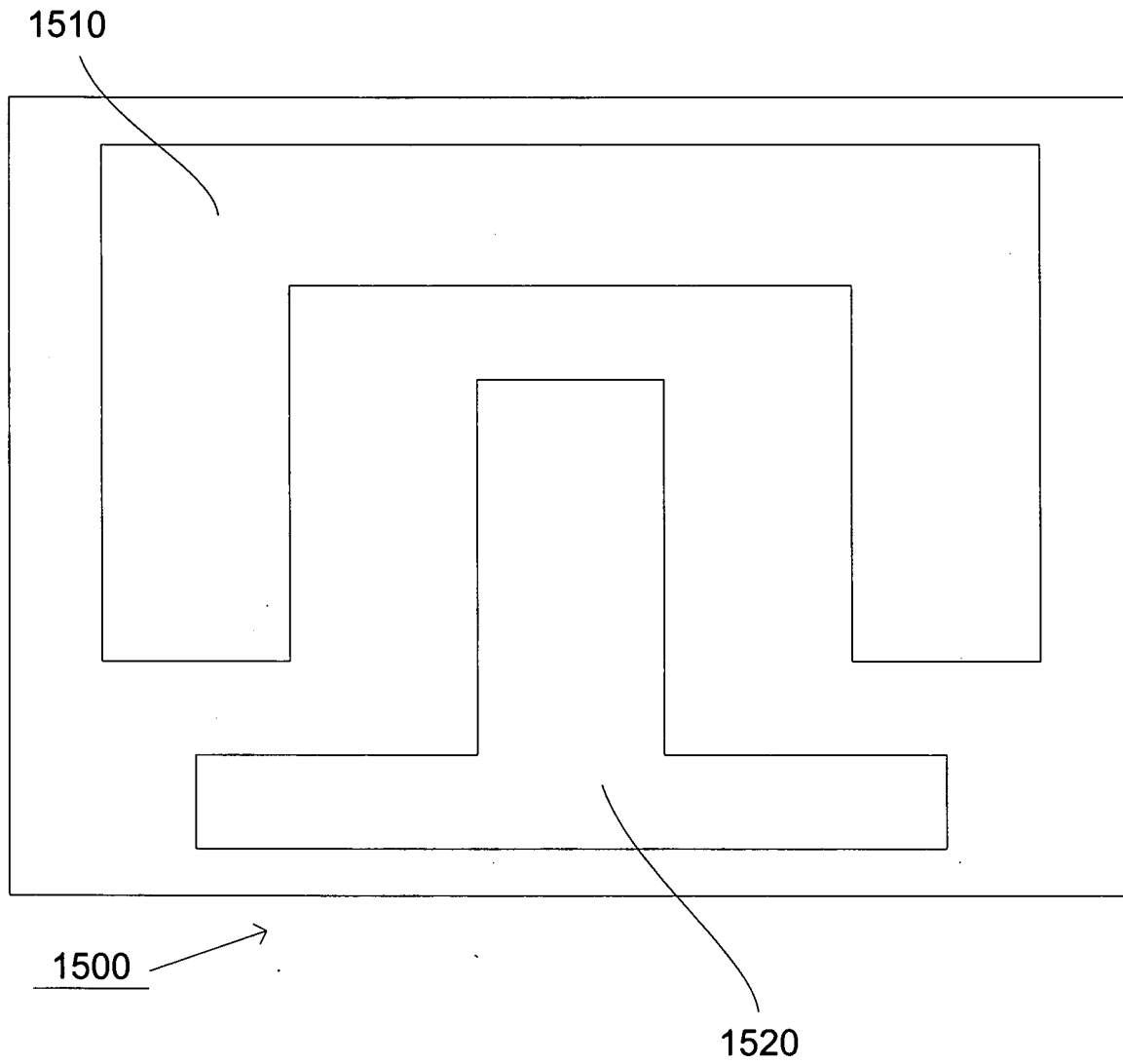


FIG. 19 19/22  
(Prior Art)

Hairpin





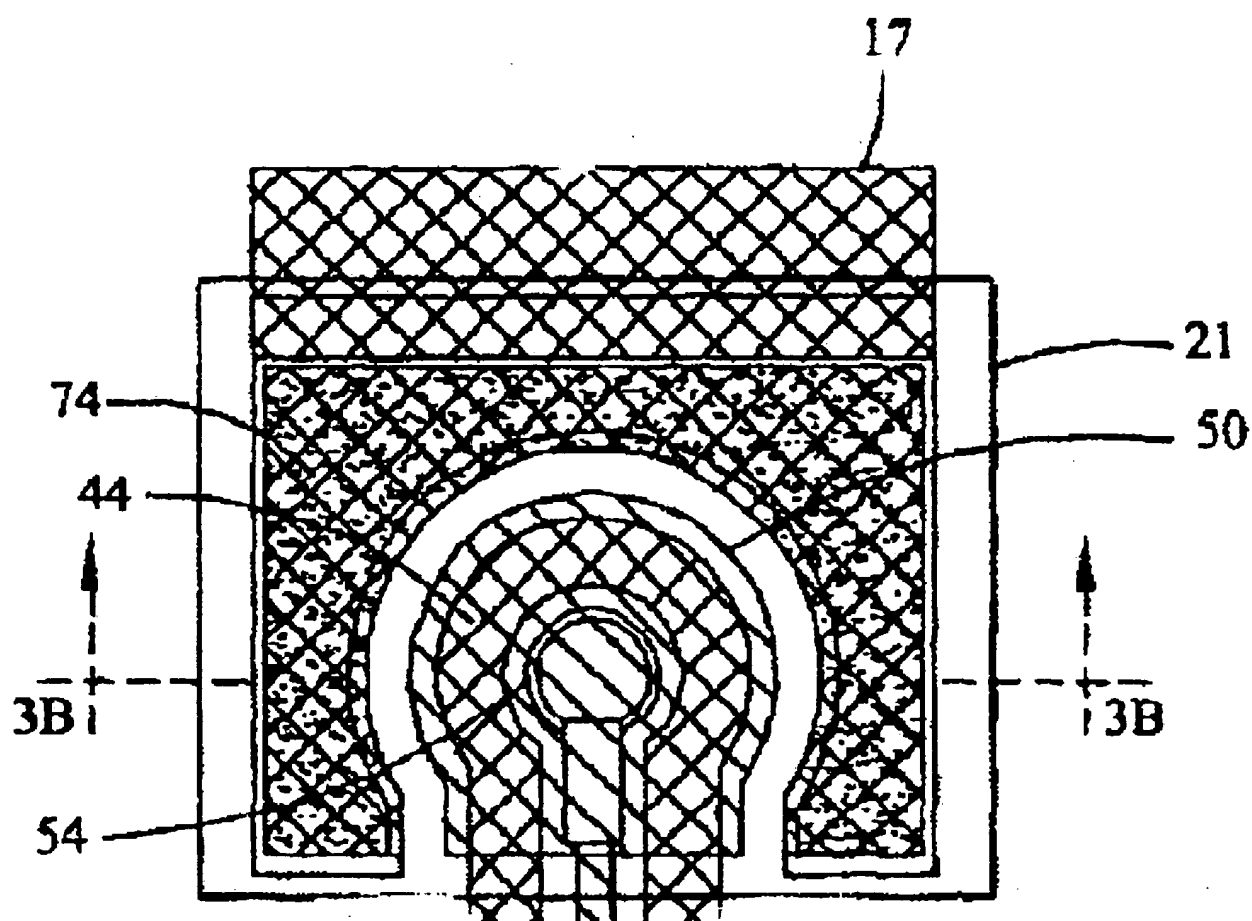


FIG. 20 20/22  
(Prior Art)

	$E_A$	$E_P$	$B_A$	$B_{CP}$	$E_A / B_A$	$E_P / \sqrt{B_A}$	$E_P / B_{CP}$	FOM-1	FOM-2
M1	300.0	206.4	674.0	120.6	0.445	7.950	1.711	1.490	0.952
M2	306.0	210.4	698.6	122.6	0.438	7.960	1.716	1.444	0.917
M3	403.3	275.2	928.7	171.2	0.434	9.031	1.607	1.611	1.207
M4	416.1	275.2	928.7	171.2	0.448	9.031	1.607	1.715	1.284
M5	354.0	235.2	765.0	142.2	0.463	8.504	1.654	1.723	1.198
M6	409.5	272.2	878.2	171.8	0.466	9.185	1.584	1.890	1.471
M7	242.0	242.2	630.1	159.8	0.384	9.649	1.516	1.347	1.188
M8	303.5	254.2	710.2	165.8	0.427	9.538	1.533	1.648	1.406
M9	317.4	315.2	821.3	216.6	0.387	10.999	1.455	1.555	1.553
M10	408.8	335.2	925.7	230.6	0.442	11.017	1.454	2.033	2.039
M11	193.4	156.0	434.7	86.6	0.445	7.482	1.801	1.401	0.795
M12	253.5	193.8	554.8	116.0	0.457	8.228	1.671	1.624	1.102

FIG. 21 21/22

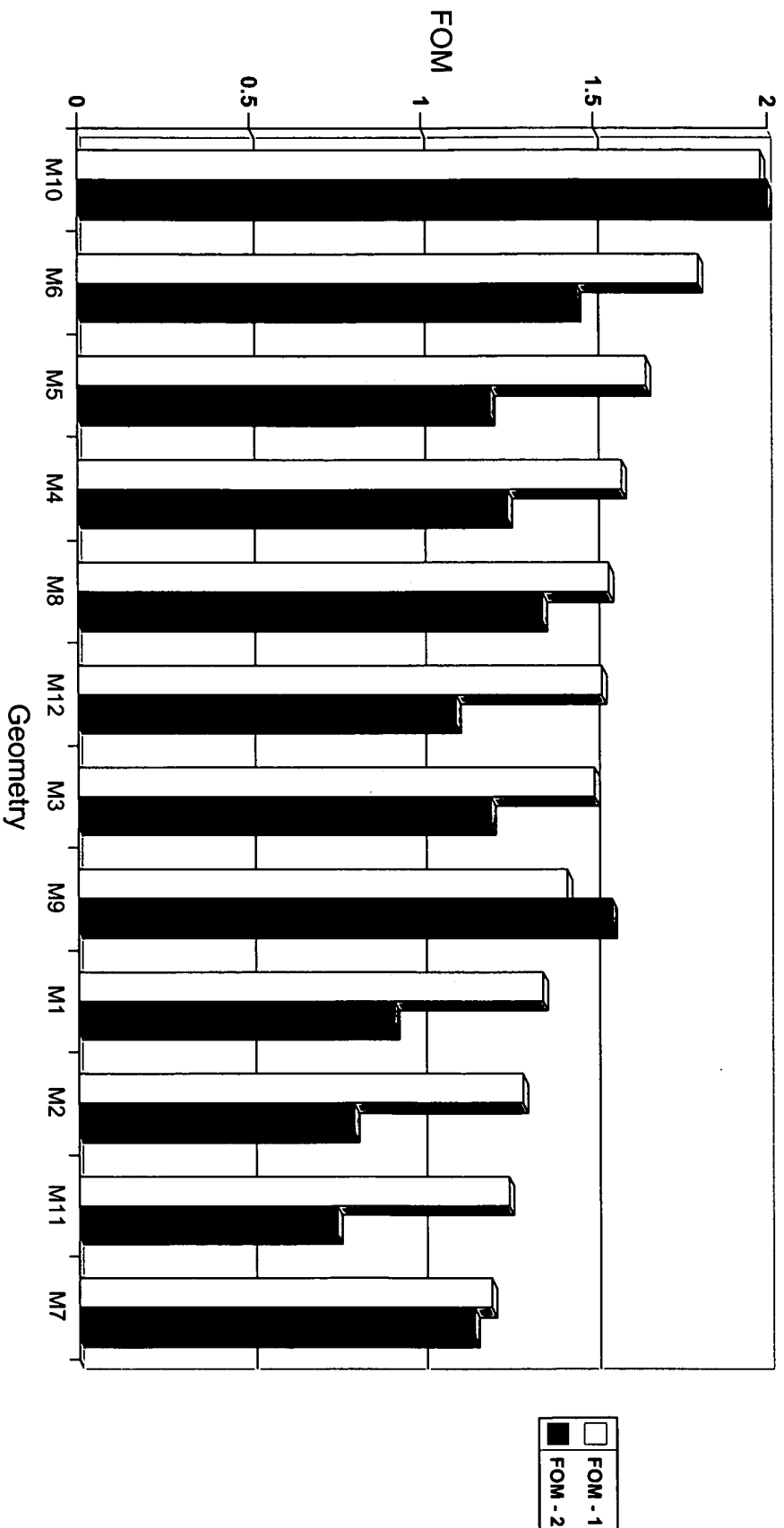


FIG. 22 22/22